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ABSTRACT

A motor structure permits assembly by a reduced number of steps. The motor includes a stepped spindle shaft within a sleeve of a bearing. The sleeve has a pair of parallel raceways on an inner surface thereof. An inner ring is slidably fit over a reduced diameter portion of the shaft. The structure includes a plurality of balls between a raceway formed on an outer peripheral surface of the inner ring and one of the raceways of the sleeve, and other balls between the second raceway of the sleeve and a raceway formed on an outer peripheral surface of a larger diameter portion of the shaft. The compound bearing is completed by adhering the inner ring on the reduced diameter portion with application of a pre-load to the balls. The sleeve or spindle shaft is integrally connected with a hub constituting a rotor or the base to form the motor.